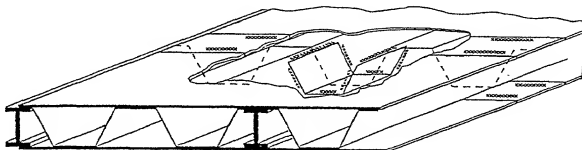




INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification ⁷ : B32B 3/28, 15/01, C22C 21/06		A1	(11) International Publication Number: WO 00/26020
		(43) International Publication Date: 11 May 2000 (11.05.00)	
(21) International Application Number: PCT/EP99/08316		(81) Designated States: AE, AL, AM, AT, AT (Utility model), AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, CZ (Utility model), DE, DE (Utility model), DK, DK (Utility model), DM, EE, EE (Utility model), ES, FI, FI (Utility model), GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).	
(22) International Filing Date: 29 October 1999 (29.10.99)			
(30) Priority Data: 98203665.9 30 October 1998 (30.10.98) EP 99201767.3 4 June 1999 (04.06.99) EP			
(71) Applicant (for all designated States except US): HOOGOVENS ALUMINIUM WALZPRODUKTE GMBH [DE/DE]; Carl-Spaeter-Strasse 10, D-56070 Koblenz (DE).			
(72) Inventors; and			
(75) Inventors/Applicants (for US only): HASZLER, Alfred, Johann, Peter [DE/DE]; Auf'm Gräverich 31, D-56179 Valendar (DE). SAMPATH, Desikan [IN/NL]; Waalstraat 122, NL-1946 RH Beverwijk (NL). MECHSNER, Klaus, Alfons [DE/DE]; Heimstrasse 70, D-56566 Niewied (DE).			
(74) Agent: HERMAN DE GROOT, Johan, Willem; Hoogovens Corporate Services BV, P.O. Box 10000, NL-1970 CA IJmuiden (NL).		Published With international search report. Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.	

(54) Title: COMPOSITE ALUMINIUM PANEL



(57) Abstract

A composite aluminium panel comprising two parallel plates and/or sheets secured to the peaks and troughs of a corrugated aluminium stiffener sheet between the parallel plates and/or sheets, wherein the corrugated aluminium stiffener sheet is made from an aluminium alloy rolled sheet of composition (in weight percent): Mg 1.5-6.0, Mn 0.3-1.4, Zn 0.4-5.0, Fe up to 0.5, Si up to 0.5, Zr up to 0.30, optionally, one or more of (Cr 0.05-0.30, Ti 0.01-0.20, V 0.05-0.25, Ag 0.05-0.40, Cu up to 0.40), others up to 0.05 each, 0.15 total, Al balance, and having in an H-condition or in the O-condition a ratio of PS/UTS in the range of 0.4 to 0.9 and having good roll formability.